

Converting Colors

XYZ(29.0503, 36.5963, 43.5996)

Have a look what the booklet for
XYZ(29.0503, 36.5963, 43.5996)
contains.

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Color

**XYZ(29.0738, 36.6191,
43.5661)**

Conversions

Conversions Part 1

Format	Color
Hex	70AEAA
RGB	112, 174, 170
RGB Percent	44%, 68%, 67%
CMY	0.5608, 0.3176, 0.3333
CMYK	0.36, 0.00, 0.02, 0.32
HSL	176°, 28%, 56%
HSV	176°, 36%, 68%
XYZ	29.0738, 36.6191, 43.5661
YIQ	155.0060, -35.6680, -14.3880

Conversions

Conversions Part 2

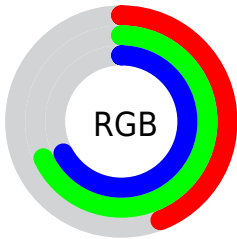
Format	Color
R _Y B	112, 144, 174
Decimal	7384746
CIE Lab	66.99, -20.82, -4.29
CIE LCh	67, 21.261, 191.638
Yxy	36.6191, 0.2661, 0.3352
Android (android.graphics.Color)	4285574826 (0xFF70AEAA)
YUV	155.0060, 7.3920, -37.7163
Hunter-Lab	60.5137, -20.1387, -0.3255

Details

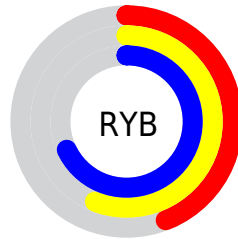
The XYZ color **29.0738, 36.6191, 43.5661** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.4033, 21.8489, 19.3499**, and the grayscale version is **31.1388, 32.7605, 35.6761**.

A 20% lighter version of the original color is **57.6133, 70.1369, 81.7354**, and **11.9110, 15.9126, 19.5832** is the 20% darker color. If you saturate the color by 10%, you get **26.9647, 35.5450, 42.9159**, and if you desaturate by 10%, it is **31.6138, 37.9171, 44.2428**.

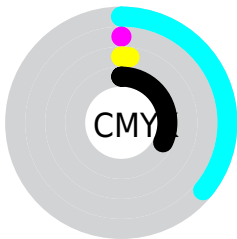
Distribution



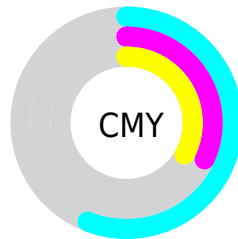
- Red (44%)
- Green (68%)
- Blue (67%)



- Red (44%)
- Yellow (56%)
- Blue (68%)



- Cyan (36%)
- Magenta (0%)
- Yellow (2%)
- Black (32%)



- Cyan (56%)
- Magenta (32%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0738, 36.6191, 43.5661 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 29.0738, 36.6191, 43.5661 by changing the saturation by 10% instead.

■ 29.0738, 36.6191,
43.5661

■ 29.0738, 36.6191,
43.5661

289.5509,
331.6585, 376.9241

■ 19.2812, 24.9127,
29.9949

■ 57.5911, 69.9866,
81.8599

■ 11.9789, 16.0120,
19.5827

■ 77.0465, 92.4164,
107.4196

■ 6.8014, 9.5327,
11.9110

■ 100.4535,
119.1896, 137.8125

■ 3.3834, 5.0902,
6.5613

■ 128.1776,
150.6904, 173.4571

■ 1.3596, 2.3003,
3.1150

160.5840,
187.3034, 214.7721

■ 0.2272, 0.7739,
1.1537

198.0381,

■ 0.0000, 0.0000,

229.4127, 262.1758

0.0000

240.9053,
277.4030, 316.0870

■ 29.0738, 36.6191,
43.5661

■ 29.0738, 36.6191,
43.5661

■ 26.9647, 35.5450,
42.9159

■ 31.6138, 37.9171,
44.2428

■ 25.2586, 34.6776,
42.2885

■ 34.6042, 39.4463,
44.9445

■ 23.9292, 34.0042,
41.6834

■ 38.0672, 41.2190,
45.6732

■ 22.9460, 33.5093,
41.0992

■ 42.0228, 43.2455,
46.4296

■ 22.2733, 33.1743,
40.5343

■ 46.4895, 45.5354,
47.2148

■ 21.8662, 32.9762,
39.9864

■ 51.4850, 48.0979,
48.0295

■ 21.7271, 32.9095,
39.7504

■ 57.0263, 50.9415,
48.8745

■ 63.1294, 54.0747,
49.7507

■ 64.6260, 54.8331,
50.4161

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.2412, 36.6191, 34.5309



29.0738, 36.6191, 43.5661



30.3701, 36.6191, 52.8857

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.0738, 36.6191, 43.5661



39.0939, 36.6191, 54.6851



36.7972, 36.6191, 25.2701

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



29.0738, 36.6191, 43.5661



26.4033, 21.8489, 19.3499

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



39.6526, 36.6191, 29.1901



29.0738, 36.6191, 43.5661



41.0340, 36.6191, 45.7372

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



29.0738, 36.6191, 43.5661



36.0724, 36.6191, 59.9370



41.2446, 36.6191, 36.3928



33.5683, 36.6191, 24.8741

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.0738, 36.6191, 43.5661



31.9397, 36.6191, 57.6466



41.2446, 36.6191, 36.3928



37.8375, 36.6191, 26.1875

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



29.0749, 36.6206, 43.5669



65.4455, 72.9201, 82.1023



25.2819, 35.1655, 20.7850



14.3644, 16.1144, 18.2094



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.0749, 36.6206, 43.5669



49.5684, 64.8082, 78.0599



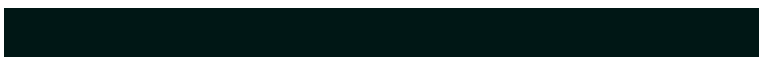
24.7776, 27.4108, 44.0309



8.2137, 9.0630, 10.1502



15.7666, 23.8719, 28.8744



0.4451, 0.6667, 0.8377

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



26.4033, 21.8489, 19.3499



43.9806, 33.8866, 27.3889



29.5947, 28.5963, 19.2897



8.0254, 8.0234, 8.4447



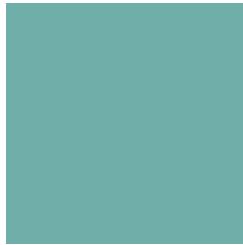
12.7139, 6.5481, 0.8727



0.3603, 0.1848, 0.0592

Previews

White Background



This preview shows how the XYZ color 29.0738, 36.6191, 43.5661 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.0738, 36.6191, 43.5661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.0738, 36.6191, 43.5661

Background



This preview shows how black text looks on a background with the XYZ color 29.0738, 36.6191, 43.5661.

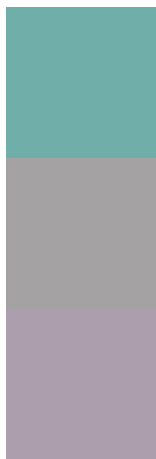


This preview shows how white text looks on a background with the XYZ color 29.0738, 36.6191,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

29.0738, 36.6191, 43.5661

Protanopia

35.0482, 36.4843, 39.8453

Deuteranopia

37.0033, 36.3551, 44.6021



Tritanopia

30.7119, 36.7208, 51.3681

Trichromacy



Original Color

29.0738, 36.6191, 43.5661

Protanomaly

32.3732, 36.1366, 41.3452

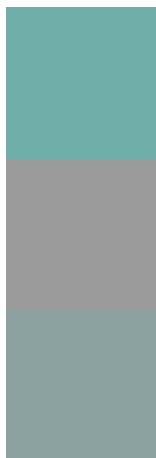
Deuteranomaly

33.4844, 36.1088, 44.2346

Tritanomaly

30.2520, 36.8273, 48.6939

Monochromacy



Original Color

29.0738, 36.6191, 43.5661

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.9130, 33.8677, 38.2182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0738, 36.6191, 43.5661 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(112, 174, 170)` looks like.

```
.text, #text, p{  
    color:rgb(112, 174, 170)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(112, 174, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 174, 170) }
```

Border

The CSS property to change the border of an element to XYZ 29.0738, 36.6191, 43.5661 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(112, 174, 170) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(112, 174, 170) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(112, 174, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 174, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 174, 170);  
box-shadow:4px 4px 4px 4px rgb(112, 174,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0738, 36.6191, 43.5661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 174, 170) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(112,  
174, 170) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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